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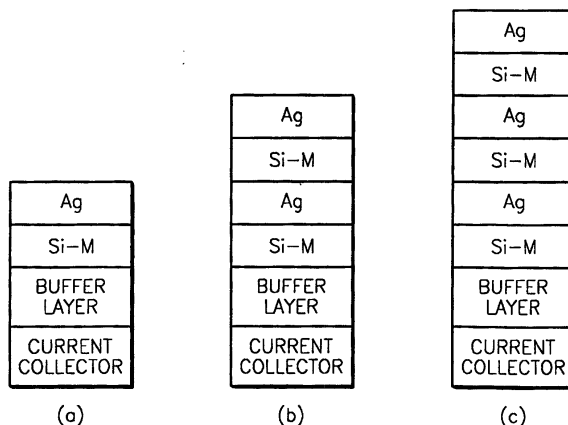
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(54) **Thin film for anode of lithium secondary battery and manufacturing method thereof**

(57) A thin film for an anode of a lithium secondary battery having a current collector and an anode active material layer formed thereon is provided. The anode active material layer is a multi-layered thin film formed by stacking a silver (Ag) layer and a silicon-metal (Si-M) layer having silicon dispersed in a base made from metal reacting with silicon while not reacting with lithium.

The cycle characteristic of the thin film for an anode can be improved by suppressing the volumetric expansion and shrinkage of Si occurring during charging/discharging cycles. Thus, a lithium secondary battery with improved life characteristics by employing the thin film for an anode, which greatly improves the chemical, mechanical stability of the interface between an electrode and an electrolyte.

FIG. 2





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The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 13 January 2004	Examiner Kuhn, T
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